

<div> <div> Exhibit Name: Premium Calculation Exhibit Number: P11-3, Plan 40 Record Name: Acreage Record Code: P11 </div> <div> Reinsurance Year: 2011 Version: DRAFT Release Date: 2/24/2011 </div> </div>							
Insurance Plan Code 40 Tree Based Dollar Amount of Insurance							
Commodity Code <div> 0207 Orange Trees 0210 Lime Trees 0213 Carambola Trees 0266 Coffee Trees </div> <div> 0208 Grapefruit Trees 0211 All other Citrus Trees 0214 Mango Trees 0267 Papaya Trees </div> <div> 0209 Lemon Trees 0212 Avocado Trees 0265 Banana Trees </div>							
Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules	
Section 1: Liability Calculation							
Total Guarantee Amount = Price Election Amount * Coverage Level Percent * Reported Tree Count * Yield Conversion Factor	Total Guarantee Amount	P11	97	99999999.99	Round to whole number.		
	Price Election Amount	P11	49	9999.9999	None	Edit with ADM Price, "A00810".	
	Coverage Level Percent	P14	34	9.9999	None		
	Reported Tree Count	P11	35	9999999999	None		
	Yield Conversion Factor	P11	63	9.999	None	Yield Conversion Factor must be valid; edit with the Yield Conversion ICE, "D00064".	
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	88	9999999999	Round to whole number.		
	Insured Share Percent	P11	47	9.999	None		
Section 2: Base Premium Rate Calculation							
Base Premim Rate =	IF Base Policy Coverage, NO Sub County and NO Option: Base Rate * Rate Differential Factor	Base Premium Rate	Internal		999999.99999999	None	
	IF Base Policy Coverage and Sub County, NO Option: Sub County Rate * Sub County Rate Differential Factor	Base Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".
	IF CTV Endorsement and NO Sub County, Option "CV": Option Rate * Option Rate Differential Factor	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".
	IF CTV Endorsement and Sub County, Option "CV": Option Rate * Option Rate Differential Factor	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050" for Sub County.
	IF Base Policy Coverage, No Sub County, Option "OW" (applicable for all coverage levels): Option Rate	Sub County Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040" for Sub County.

	IF Base Policy Coverage and Sub County, Option "OY-OW" (applicable for all coverage levels):	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060" for Option.
	Option Rate						
	IF CTV Endorsement and NO Sub County, Option "OX" (applicable for all coverage levels):	Option Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040" for Option.
	Option Rate						
	IF CTV Endorsement and Sub County, Option "OZ OX" (applicable for all coverage levels):						
	Option Rate						
Section 3: Optional Coverage Calculation							
Additive Optional Rate Adjustment Factor = When Rate Method Code = A SUM (Option Rate(s)) * Rate Differential Factor	Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.		
	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".	
	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".	
Multiplicative Optional Rate Adjustment Factor = When Rate Method Code equals Multiplicative, "M": Product (Option Rate(s))	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.		
	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".	
Section 4: Premium Rate Calculation The Premium Rate for ALL Unit Structures should be capped at .999 in the event various adjustments to the Base Premium Rate would cause it to exceed 1.0.							
Premium Rate = Base Premium Rate * Unit Structure Discount Factor * Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Premium Rate	Internal		9999999999.99999999	Round to 8 decimals.		
	Unit Structure Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", then Unit Structure Discount Factor equals Optional Unit Discount Factor. When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.	

Section 5: Total Premium, Subsidy, and Producer Premium Calculation

$\text{Preliminary Total Premium Amount} = \text{Liability Amount} * \text{Base-Premium Rate} * \text{Rate-Differential-Factor} * \text{Unit-Structure-Discout-Factor} * \text{Sub-County-Rate} * \text{Option-Rate} * \text{Proration Percent}$	Preliminary Total Premium Amount	Internal		999999999	Round to whole number.	
	Base-Premim-Rate	ADM		999.99	None	Edit with ADM Base Rate, "A01010".
	Rate-Differential-Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".
	Unit-Structure-Discout-Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", then Unit Structure Discout Factor equals Optional Unit Discount Factor. When Unit Structure Code equals "BU", then Unit Structure Discout Factor equals Basic Unit Discount Factor. When Unit Structure Code equals "EU", then Unit Structure Discout Factor equals Enterprise Unit Discount Factor.
	Sub-County-Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".
	Option-Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
	Proration Percent	ADM		9.99	None	Edit with ADM Proration, "A01070". When Commodity Code equals Banana Trees, "0265", Coffee Trees, "0266", Papaya Trees "0267", then Proration Percent must equal zeros.
$\text{Total Premium Amount} = \text{Preliminary Total Premium Amount} * \text{Multiple Commodity Adjustment Factor}$	Total Premium Amount	P11	89	999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
$\text{Subsidy Amount} = \text{Total Premium Amount} * \text{Subsidy Percent}$	Subsidy Amount	P11	87	999999999	Round to whole number.	
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
$\text{Producer Premium Amount} = \text{Total Premium Amount} - \text{Subsidy Amount}$	Producer Premium Amount	P11	90	999999999	Round to whole number.	

Section 6: Additional information for Base Policy Coverage and CTV Endorsement.

	Scenario			
Decide if Base Policy Coverage or CTV Endorsement. If CTV chosen then provide both Base Policy and CTV inputs, 2 records.	Case 1a: Base Policy use BaseRate from BaseRate table and differentials where subcounty code is null and option code is null.	OR	Case 1b: Occurrence loss Option = "OW" use this OptionRate for ALL coverage levels.	
	Case 2a: Base Policy in High Risk Area use SubCounty Rate from SubCountyRate table and differentials where subcounty code matches High Risk Area and and option code is null.	OR	Case 2b: Occurrence loss Option = "ØY OW" use this OptionRate for ALL coverage levels.	
	Case 3a: CTV Endorsement use Option Rate from OptionRate table where OptionCode = CV and differentials where subcounty code is null and option code = CV.	OR	Case 3b: Occurrence loss Option = "OX" use this OptionRate for ALL coverage levels.	
	Case 4a: CTV Endorsement in High Risk Area use Option Rate from OptionRate table where subcounty code matches the High Risk Area and and option code = CV.	OR	Case 4b: Occurrence loss Option = "ØZ OX" use this OptionRate for ALL coverage levels.	